

AMENDMENTS TO THE CLAIMS

Please cancel claims 16-23, without prejudice, as shown below.

Please add new claims 24 and 25 as shown in the following complete list of claims.

1.-23. (Canceled).

24. (New) A method for treating dopamine dysregulation in an individual comprising administration to the individual an agent that is a member of a compound selected from the group consisting of an indirubin and a paullone, wherein said agent binds to Cdk5 and such binding results in the inhibition of the phosphorylation of Thr75-DARPP-32 and wherein said agent can cross the blood brain barrier.

25. (New) A method for treating drug abuse in an individual comprising administration to the individual an agent that is a member of a compound selected from the group consisting of an indirubin and a paullone, wherein said agent binds to Cdk5 and such binding results in the inhibition of the phosphorylation of Thr75-DARPP-32 and wherein said agent can cross the blood brain barrier.